

Dr. G. G. Pond, dean of the School of Chemistry and Physics at Penn State, supervised the Industrial Chemistry option from 1903 to 1921. Dr. John E. Schott from the University of Chicago was in charge from 1921 until 1926, when he was succeeded by Dr. E. D. Ries, a graduate of Massachusetts Institute of Technology. Since 1930, Dr. Cryder has been in charge of chemical engineering.

Dr. Cryder was graduated from the Pennsylvania State College in 1920 and accepted a position with the Goodyear Rubber Co. He returned to Penn State in September, 1920, to accept a teaching position and, except for a short period of graduate study, has been a member of the chemical engineering staff since that time.

Dr. Cryder received his master of science degree at Penn State in 1923. In 1928, he received a master of science degree and in 1930 a doctor of science degree from Massachusetts Institute of Technology.

Publications by Dr. Cryder have been mainly in the field of heat transmission, catalysis, and absorption. He is a member of the American Institute of Chemical Engineers, the American Chemical Society, and various honor societies including Sigma Xi, Sigma Tau, and Phi Lambda Upsilon.

During the current term, 450 undergraduates are enrolled in the chemical engineering curriculum at Penn State. From 1903 to 1924, degrees in industrial chemistry were awarded to 185 students and since that time, more than 500 have received bachelor or science degrees in chemical engineering. Fifty have been awarded a master of science degree, and 13 doctor of philosophy degrees have been conferred. Before the war, undergraduate enrollment in chemical engineering at Penn State was the sixth highest and the graduate registration the fourth highest in the United States.



Mount Prospectus (K.S. Hill) from Pillsbury Drive,
Kansas State College

MOUNT PROSPECTUS PROJECT SPONSORED BY EPSILON CHAPTER

BILL MILLER, Epsilon, '48

Remember the first time you came through Manhattan? You were on your way to Topeka, or Kansas City, or perhaps K-State was your destination. Whatever your purpose was, long before you reached the city, you saw in the distance a mammoth "KS" on the west slope of Mt. Prospect. You soon discovered that those two letters identified this as the location of Kansas State College.



BILL MILLER

Since then, you've learned to be proud of the "KS" and the rising spirit of K-State that it stands for. You have a right to be proud of it.

To many of you, and to thousands of alumni, the two giant letters bring up associations of a thoroughly down to earth nature. Maybe you have a pair of khakis that are well splattered with whitewash as a memento of the day you helped clean up the "K." Since the idea was first conceived, the financing, construction or maintenance of these symbols has, at one time or another, involved almost every engineer that has attended this school.

The story of the project goes back to several years before the construction of the "K" was actually begun. Students talked about it until finally one class built a "K" of loose rock on Bluemont hill. This didn't last long, so the next best idea was a reinforced concrete letter. In 1921, the Civil Engineering Society took the lead in promoting such a permanent letter. The General Engineering Seminar voted funds sufficient to build it, and classes were dismissed when everything was ready to go. The Engineers marched out to the hill, led by a brass band, and by the end of the first day's work, it was nearly completed. The next day, the finishing touches were put on. This first letter is at a 40-degree slope, and is anchored by cables and concrete lugs. Such a letter would cost over a thousand dollars to build at present prices.

Reprint Courtesy Kansas State Engineer

Everyone was in favor of the immediate addition of an "S," but nobody did anything about it until 1930. Sigma Tau members organized a committee to promote the second letter, and the General Engineering Seminar soon decided that they would do the work, if the rest of the school would furnish the finances.

Five hundred dollars was pretty big money in the thirties, so that turned out to be quite a big problem. After sponsoring tag day, movies, boxing matches, and promoting donations from faculty, business men, and \$125 from the Seminar treasury, they finally succeeded in raising enough cash.

This section of the hill required considerable preparatory work, and a day was spent clearing and leveling it off to the slant of the hill. On May 10, classes were dismissed and the Engineers started in on the "S." Rain halted the work at noon, so the crew went to the Manhattan Community House for barbecued sandwiches. The rain soon stopped, and by six p.m., the job was completed. An army searchlight was spotted in on the hill, and the chairman of the committee presented the letter to the college and the city of Manhattan in an appropriate ceremony. Dr. J. T. Willard represented the college, and Mayor Hurst Majors, the city.

The latest chapter of this story was begun when it became common knowledge that the property on which the letters are located had changed owners several times. No clear cut agreement assuring the Engineers the right to maintain the letters could be found, so a movement to acquire title to the land was begun.

Sigma Tau took this on as a project in 1937 and several solutions were attempted. Insufficient funds were available to buy the entire 28-acre tract, so proceedings were begun to have the section set aside as a park. This was not successful, and a practical solution was agreed upon only last spring.

In exchange for a 220-foot strip of land, including enough area for the "C" plus easement rights permitting entrance at any time, Sigma

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Professor L. V. White, Epsilon Chapter Advisor, presents deed for K.S. property to Dr. Milton S. Eisenhower, President Kansas State College

PROJECTS HELP EPSILON CHAPTER

PROF. L. V. WHITE, Kansas State College

Guest Editorial, PROF. L. V. WHITE, Epsilon Chapter Adviser

To keep interest on a high level in an honor fraternity year after year is a tough job. Like the tide, interest ebbs and flows. After a new chapter has been established, it will usually ride the wave of its own impulse for a few years, then interest is likely to wane, indifference set in, and, if a Moses is not forthcoming to lead the organization out of the wilderness of apathy, it may bog down and fade out. Good officers make for a strong, active fraternity. Men with high ideals, good judgment, and dependability should be chosen. If in addition to these admirable qualities the officers should be endowed with what Elbert Hubbard called the old "psychic vibe," the state of the fraternity affairs should approach the ideal.

Attendance at meetings has sometimes been a problem. "To get them out," some organizations attempt to insure attendance by feeding their members (a form of bribe), other orders impose fines for non-attendance (a rule of fear), but the organization that really functions is the one that makes its meetings so interesting, entertaining, and vital that its members will figuratively beat upon the door to get in. It is not enough to meet once every two weeks and go through the ritual; to hold an occasional initiation, banquet, or smoker. These things are fine, but something more is needed. The same old routine grows stale. For the good of the cause new interests must be added. Every brother in a Sigma Tau chapter should have something to do. He should be made to feel that he is a vital link in the mechanism of the fraternity.

Epsilon Chapter's experience is much the same as other chapters. Epsilon has had its low periods, but right now it seems to be on the upgrade. In addition to the regular routine of meetings, initiation, smokers, and banquets, it presents freshman medals, has a large share in Engineers' Open House, and sponsors St. Pat's Prom.

But there is another enterprise that helps greatly in knitting Epsilon Chapter into a working unit—and that is the Project, Projects for the good of the Engineering School and the College in general. These projects usually require time, money, perseverance, and hard work to bring to completion. Among the projects carried out might be mentioned:

A cut stone pyramid and rail section located in a conspicuous place on the campus.

The large concrete K and S letters, each 60½ feet by 80½ feet in dimension, located on the precipitous slope of Mt. Prospect, south-east of Manhattan. These letters may be seen from miles away. The letters when constructed were on land that did not belong to the college. Since then the property has changed hands several times, and the tract upon which the letters repose has been for a number of years legally inaccessible to the students of Kansas State.

Two years ago Epsilon Chapter of Sigma Tau entered into contracts with the owner of this land, whereby they obligated themselves to make certain surveys and land subdivisions for him, in return for which the owner agreed to deed to Epsilon Chapter the K S tract. The contract was fulfilled early this fall. Epsilon Chapter acquired the deed for the K S tract and formally presented the land to Kansas State College, President Eisenhower receiving it for the College at a student assembly.

It has required perseverance, courage, and hard work to carry these projects to completion. The next project may be to landscape and make a park of the K S tract, or possibly to construct a large letter C beside the K S. Projects have been "good medicine" for Epsilon of Sigma Tau.

MOUNT PROSPECTUS—PROJECT SPONSORED BY EPSILON CHAPTER

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Tau members agreed to survey and subdivide 30 acres of property for the land owner. This was completed before the end of the '47 school year, after many Fridays and Saturdays of hard work involving every member of the honorary fraternity.

In an all-school assembly on October 16, 1947, the deed was presented to the college by Prof. L. V. White, faculty sponsor of Sigma Tau and consistent promoter of this project for over 10 years. President Eisenhower accepted for the college.

Funds from the Engineering Council and Sigma Tau financed lighting of the freshly whitewashed "KS" the night before homecoming this year. An army searchlight was played on K-hill from the top on Sunset Hill.

According to tradition, Freshman Engineers have the important responsibility for cleaning and whitewashing the letters each fall semester. All of those who have had some part in maintaining or building the "KS" can be proud that they have helped build a very real part of Kansas State's tradition.

GAMMA—UNIVERSITY OF PENNSYLVANIA CHAPTER LETTER

The Gamma Chapter of Sigma Tau has seen a new record high of membership this year with a total of 75 active members in the organization. This large membership has come about due to the unusually large enrollment of undergraduate students in the Towne Scientific and Moore Schools—the engineering departments of the University of Pennsylvania.

New members number 38 this year. They were admitted after a proper initiation ceremony held on the campus on December 18, 1947, and this was followed that evening by an elaborate banquet. These men were selected from the senior and junior classes, and they are as follows: Seniors: Arthur B. Crossan, Ned B. Pauling, Walter F. Spiegel, Roman A. Wojcznski, Lionel N. Zimmer. Juniors: Marvin Aaron, John E. Arnold, Albert B. Bottoms, Alan J. Breckenridge, Hugh M. Bullard, Robert H. Carlson, Francis E. Feheley, Wolf B. Finkelstein, Luke A. Fithian, David Goldstein, Christian W. Goll, Robert A. Gross, Charles H. Hammer, George C. Hand, D. Bruce Hershorn, Alexander H. Holcombe, Thomas R. Johnson, Jules Joslow, Alan McIlhenny, John Jordan, James A. Lam, Edward P. Newborg, Irving H. Peak, Nelson F. Rekos, William O. Schuman, Peter V. Senausky, Harry G. Steward, Robert B. Waugh, William T. Weir, Alvin H. Weiss, James R. Westcott, Joe Woolwick, Joseph Wylan.

At a combined meeting of all the professional engineering societies held on January 14, 1948, the ideals and accomplishments of the Gamma Chapter were presented to the entire student body. At this same meeting, in accordance with the established policy, the Sigma Tau Freshman Award was presented to the outstanding freshman engineering student. This was the first award made since the war, and the honor went to Richard J. Faber, Jr., a mechanical engineering student.

Mr. Faber entered the University of Pennsylvania in September, 1946, where he has distinguished himself scholastically and taken an active part in school life. Having graduated from high school in 1943, he served during the war as a combat infantryman in the 94th Division. Dean John A. Goff, Dean of the Towne Scientific School, presented the award to Mr. Faber.

The Gamma Chapter has been very active during the past year. A comprehensive orientation program was prepared to assist and guide incoming freshmen, in the beginning of the fall term. This program, it is hoped, will be carried out each year.

Albert Z. Segal
Corresponding Secretary

PROFESSOR ALBERT J. MACK EPSILON CHAPTER

The passing of Albert J. Mack, Epsilon '12 Hon., teacher, counselor and friend of innumerable Kansas State students and graduates, is keenly felt by all those who knew him. His friendliness and cooperative nature served well to build up a host of friends not only among the students, faculty and town-folks, but throughout the state and in many parts of the nation. A visit with "Mack" was important in the itinerary of returning form students.

Professor Mack was a native of Kansas. He received his public school training at Axtell, Kansas, and after teaching country school two years, came to Kansas State, where he graduated in mechanical engineering in 1912. From graduation until 1917 he was employed by the Avery Company of Peoria, Illinois. He became a member of the staff at Kansas State in 1917 and reached the status of full professor in 1928.

He was in the army for an eight month period in 1918 and during this time was stationed at the college.

He was co-author of two research publications and author of a series of articles published in a trade journal. He was a specialist in the field of air conditioning and refrigeration and frequently presented papers on those subjects.

He was a registered engineer and was active in professional engineering society work, having been honorary chairman of the student branch of the A. S. M. E. for many years, and an officer of the A. S. E. E. He was a member of Phi Kappa Phi, Sigma Tau, Pi Tau Sigma, and faculty advisor to the social fraternity, Phi Lambda Theta.

Professor Mack will be remembered by most of the students as a teacher who was always willing to assist them with their problems; one who would have a sympathetic understanding of their difficulties.

Reprint Courtesy Kansas State Engineer



C. E. MICKEY, ENGINEER, DIES; HELD N. U. POST

Clark Edwin Mickey, 64, retired chairman of the civil engineering department, University of Nebraska, died January 15, 1948.

He was a professor and department head from 1920 to September 1, 1947, when he retired due to ill health.

During his connection with the university, his services have been freely requisitioned as a consulting engineer for various municipalities in the state.

Mr. Mickey was born at Saltsburg, Pa., and attended school at Apollo, Pa., and Belmont, Ohio, and was graduated from high school at Gibbon, Neb., in 1901.

He attended the University of Nebraska from 1901-08 and was graduated with a bachelor of science degree in mechanical engineering.

In 1908 he began his teaching career in the department of applied mechanics at the university and in 1920 was made chairman of the civil engineering department.

As consulting engineer on municipal improvements, Mr. Mickey served Albion, Beatrice, Fullerton, Lincoln, Norfolk, Omaha and Webster City, Iowa. He also assisted Lancaster and Douglas counties, the Nebraska state highway department from 1918-22, and Nebraska state capital commission from 1920-22.

Mr. Mickey was in charge of a special survey report, 1929-32, for determining the irrigation and power possibilities for the state.

Later, he served as a consulting engineer on the Tri-County irrigation and power project.

